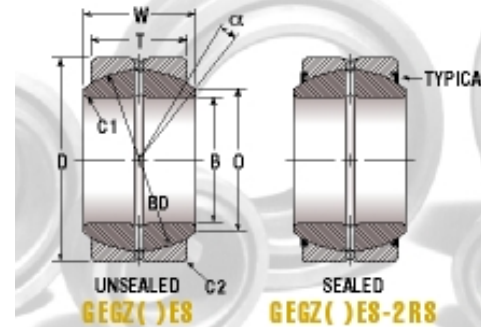




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Spherical Plain Bearings:

- ◀ **inch series**
- metric series
- interchange tables
- engineering

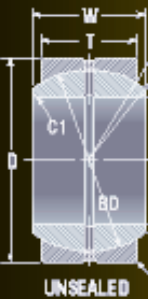


- **Series Interchange**
- **Numeric Interchange**

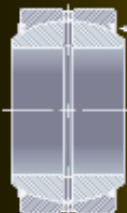
◀ Back More Inch ▶

LOAD SERIES HEAVY DUTY INCH UNSEALED & SEALED

Ball Bore Diam. B			Part No RFQ per item		Outside Diam (1) D		Ball Width W		Race Width T		Ball Diam BD	Tilt Angle (2) α	Shldr Diam O	Shaft Fillet C1	Hsng Fillet C2	Radial Loads (3)	
Frac	Nom	Tol	Without Seals	With Seals add:	Nom	Tol	Nom	Tol	Nom	Tol	Ref	Deg	Ref	Max	Max	Static	Dyn
1 1/4	1.2500	-0.0005	GEGZ31ES	-2RS	2.4375	-0.0006	1.390	-0.005	1.125	-0.005	2.155	8	1.425	.039	.039	84,377	28,127
1 1/2	1.5000	-0.0005	GEGZ38ES	-2RS	2.8125	-0.0006	1.580	-0.005	1.312	-0.005	2.515	7	1.685	.039	.039	114,755	38,257
1 3/4	1.7500	-0.0005	GEGZ44ES	-2RS	3.1875	-0.0006	1.820	-0.005	1.500	-0.005	2.875	7	2.004	.059	.039	150,758	50,406
2	2.0000	-0.0005	GEGZ50ES	-2RS	3.5625	-0.0008	2.070	-0.005	1.687	-0.005	3.235	8	2.264	.059	.039	191,259	63,003
2 1/4	2.2500	-0.0006	GEGZ57ES	-2RS	3.9375	-0.0008	2.318	-0.005	1.875	-0.005	3.590	8	2.524	.059	.039	234,005	77,628
2 1/2	2.5000	-0.0006	GEGZ63ES	-2RS	4.3750	-0.0008	2.545	-0.005	2.062	-0.005	3.950	8	2.835	.079	.039	285,759	95,626
2 3/4	2.7500	-0.0006	GEGZ69ES	-2RS	4.7500	-0.0008	2.790	-0.005	2.250	-0.005	4.312	8	3.094	.079	.039	337,501	112,507
3	3.0000	-0.0006	GEGZ76ES	-2RS	5.1250	-0.0010	3.022	-0.005	2.437	-0.005	4.675	8	3.350	.079	.039	396,003	131,628
3 1/4	3.2500	-0.0008	GEGZ82ES	-2RS	5.5000	-0.0010	3.265	-0.005	2.625	-0.005	5.040	9	3.650	.079	.039	459,006	153,005
3 1/2	3.5000	-0.0008	GEGZ88ES	-2RS	5.8750	-0.0010	3.560	-0.005	2.812	-0.005	5.390	9	3.909	.079	.039	531,009	175,501
3 3/4	3.7500	-0.0008	GEGZ95ES	-2RS	6.2500	-0.0010	3.738	-0.005	3.000	-0.005	5.750	9	4.165	.079	.039	596,253	202,501
4	4.0000	-0.0008	GEGZ101ES	-2RS	7.0000	-0.0010	4.225	-0.005	3.375	-0.005	6.475	9	4.449	.079	.043	765,004	252,005
4 1/2	4.5000	-0.0008	GEGZ114ES	-2RS	7.7500	-0.0012	4.690	-0.005	3.750	-0.005	7.190	9	4.961	.079	.043	933,759	315,003
5	5.5000	-0.0010	GEGZ127ES	-2RS	8.7500	-0.0012	4.950	-0.005	4.125	-0.005	8.156	7	5.984	.079	.043	1,170,005	389,259
Frac	Nom	Tol	Without Seals	With Seals add	Nom	Tol	Nom	Tol	Nom	Tol	Ref	Deg	Ref	Max	Max	Static	Dyn
Ball Bore Diam. B			Part No RFQ per item		Outside Diam (1) D		Ball Width W		Race Width T		Ball Diam BD	Tilt Angle (2) α	Shldr Diam O	Shaft Fillet C1	Hsng Fillet C2	Radial Loads (3)	



UNSEALED



SEALED

- (1) All tolerances in this catalog are before the outer races are fractured and before application of dry film lubricant
- (2) Seals may reduce tilt angle
- (3) Ultimate loads for the bearings in this catalog are approximately 1.5 times the catalog load ratings

GENERAL SERIES INTERCHANGE • HEAVY DUTY INCH UNSEALED & SEALED

LOAD SERIES INCH		NATIONAL	R.B.C.	SKF	TORRINGTON	ELGES	IKO
Heavy Duty	Unsealed	GEGZ () ES	BH () -L	GEZH () ES	() SFH ()	-	-
	Sealed	GEGZ () ES-2RS	BH () -LSS	GEZH () ES-2RS	() SFH () -TT	-	-

- For numeric bore size conversion between manufacturers see numerical interchange table.



NATIONAL PRECISION BEARING GROUP
of Mechatronics, Inc.

Phone: 800-426-8038 • 425-222-5900 • Fax: 888-448-1153 • 425-222-5950
E-mail: sales@nationalprecision.com

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